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Syntex- Verona
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Incineration
RAI 6-30-88

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VII
726 MINNESOTA AVENUE
KANSAS CITY, KANSAS 66101

JUN 3 0 1988

MEMORANDUM

SUBJECT: Syntex, Verona/Denney MIS

FROM: Glenn Curtis
REMD/SPFD

TO: Files

On June 28, 1988, I spoke with Frank Freestone, EPA, and Joe Tishansky, Envirosponse, regarding the subject site. The following narrative is a summary of that discussion.

The kiln is still cooling down; will be cool enough to enter by this evening. At that time, the clinker will be broken up and removed. In addition, the throated ram shoot will be replaced with a new (stainless steel) part. Dave Norris suggested installing a water cooled unit to prevent the corrosion of this piece. Corrosion is caused when high chlorine content materials are processed.

The old burner tips, eight with one hole each, will be replaced with new tips that have two holes per tip. The ash gate, if fabricated in time, will also be installed.

Since it appears that various materials from Verona are causing problems, I suggested that the material be mixed as well as possible prior to feeding. Mixing prior to feeding may promote consistency in the fed material and avoid feeding a clump of high sodium material. I also stated I would advise Syntex to do the same during excavation and loading.

Syntex delivered four truck loads of soil on Monday, approximately 64,000 pounds. This amount will bring the total volume in storage to approximately 600,000 pounds.

Freestone stated that the project was out of money as of COB yesterday (Monday, June 27). I told him that an additional $250K was requested from Syntex late Monday. Otherwise, I did not know any other source of funds and suspect that this issue will be on hold until the meeting with Syntex on Wednesday.

Estimates on total money needed were pursued. A rate now being supported by Sawyer and Freestone is 1,400 lbs/hr.(2,300 lbs/hr. x 60%). Considering that approximately 600,000 lbs. remain in storage at the incinerator and considering the modified feed rate, approximately $400K will be needed.

$$\left[\frac{600{,}000 \text{ lbs.}}{1{,}400 \text{ lbs/hr.} \times 24/\text{day}} \times \$23\text{K/day} = \$410\text{K}\right]$$

Additional soils generated at Verona will cost approximately $100K per 50 cubic yards delivered to the MIS.

Yellow

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WSTM:SPFD:REMD:Curtis:du CUR2-1 6/28/88

REMD	REMD
Curtis	Wright
Curtis 6-30-88	Kramer 6/30/88

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UPDATE

June 28, 1988

Denney Farm MIS Volume Processed

Date: May	Pounds(lbs) Processed	Total Pounds	Volume yd^3*	Est. Cost $23K/dy	Optimum** Production
7 - 19		653,500	242/261		
20 - 22	MIS down for repair/maintenance				
23 - 31		946,416	351/379	575	1,152,000
June					
1-2	MIS down for repair/maintenance				
3 (2 hrs.)	1,666	948,082	351/379		
4	64,801	1,012,883	375/405		
5	78,069	1,090,952	404/436		
6	72,774	1,163,726	431/466		
7 (2 hrs.)	2,309	1,166,035	432/467	736	1,474,560
8-10	MIS down for repair/maintenance				
11 (1 hr.)	1,844	1,167,879	433/467		
12	50,108	1,217,987	451/481	851	1,704,960
13-14	MIS down for repair/maintenance				
15 (13 hrs.)	26,234	1,244,221	461/487		
16	64,765	1,308,986	485/524		
17	50,080	1,359,066	503/543		
18	49,385	1,408,451	522/563		
19	41,123	1,449,574	537/580		
20 (14 hrs.)	33,236	1,482,810	549/593		
21	63,438	1,546,248	573/619		
22	50,701	1,596,949	591/639		
23 (15 hrs.)	36,180	1,633,129	605/653		
24	40,815	1,673,944	620/669		
25	65,629	1,739,573	644/696		
26	24,665	1,764,238	653/705		
27	8,834	1,773,072	657/709	1,196	2,396,160
28-29	MIS down for repair/maintenance				
received at MIS		2,350,000	870/940	1,474	
Estimate at completion based on Actual Costs ***		2,600,000	1,000	1,742	

* Volume based on 2700 lbs/yd^3/2500 lbs/yd^3.

** Opt. Prod.= 60% efficiency x 3200 lbs/hr x 24 hrs/day = 46,080 lbs/dy (17/18.4 yd^3/dy). Actual efficiency - May = 49.3%, June (to date) = 39.9% Total Project = 44.4%

*** Costs - Actual $.67 per lb./ $1,730 per yd^3, Optimum $.50 per lb./$1300 per yd^3